

## **CNG2B: A NOVEL HUMAN CYCLIC NUCLEOTIDE-GATED ION CHANNEL**

### **ABSTRACT OF THE DISCLOSURE**

The invention provides isolated nucleic acid and amino acid sequences of  
5 CNG2B, antibodies to CNG2B, methods of detecting CNG2B, and methods of screening  
for modulators of cyclic nucleotide-gated ion channels using biologically active CNG2B.  
The invention further provides, in a computer system, a method of screening for  
mutations of human CNG2B genes as well as a method for identifying a three-  
dimensional structure of human CNG2B polypeptides.

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